Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202719

Luminaire Tested: GWC-SB2A-827-U-SLL

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202719
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-SLL
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOF
	LEFT OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7771 lumens
Efficiency:	N/A
Efficacy:	135.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

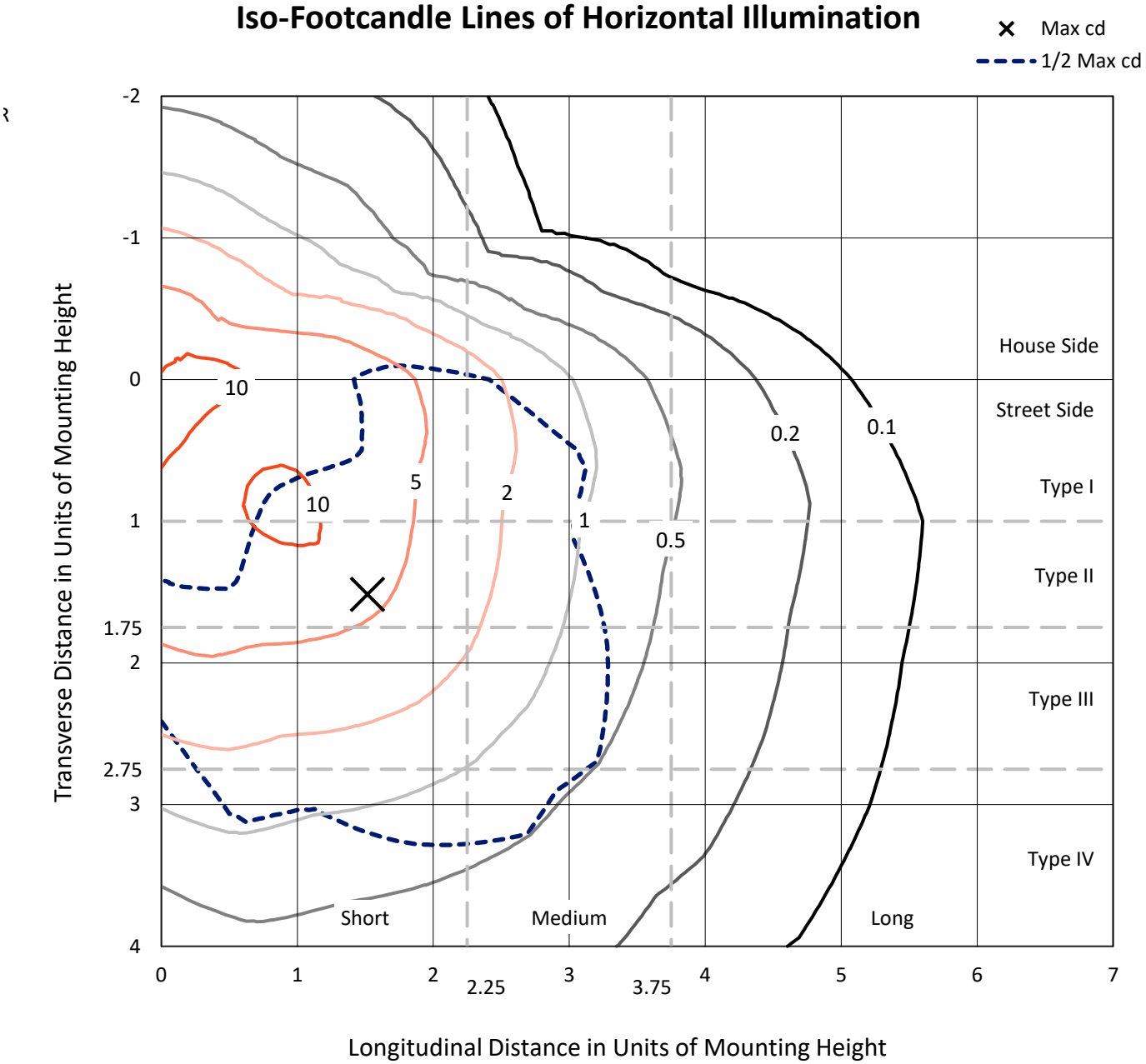


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Iso-Footcandle Lines of Horizontal Illumination



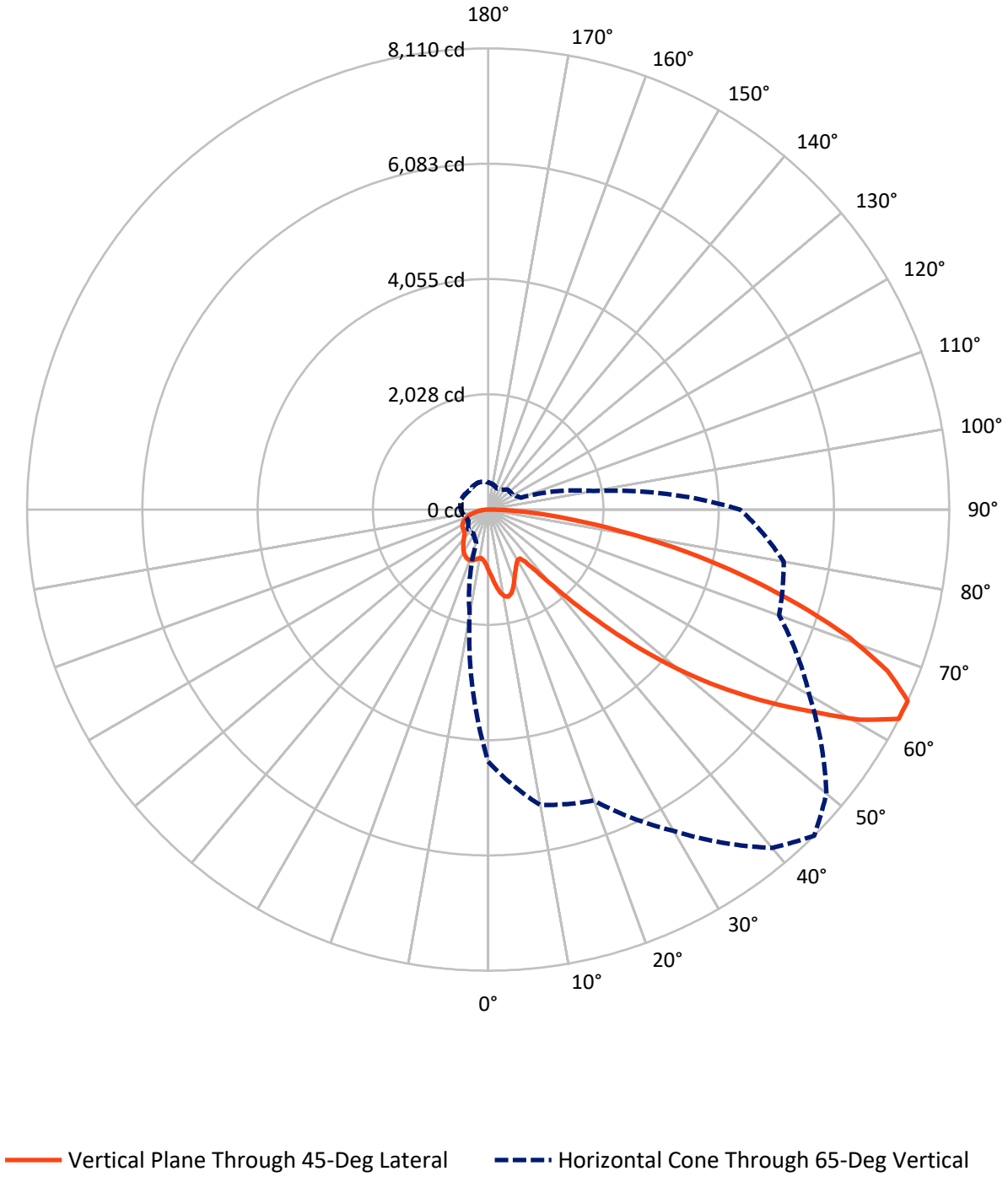
Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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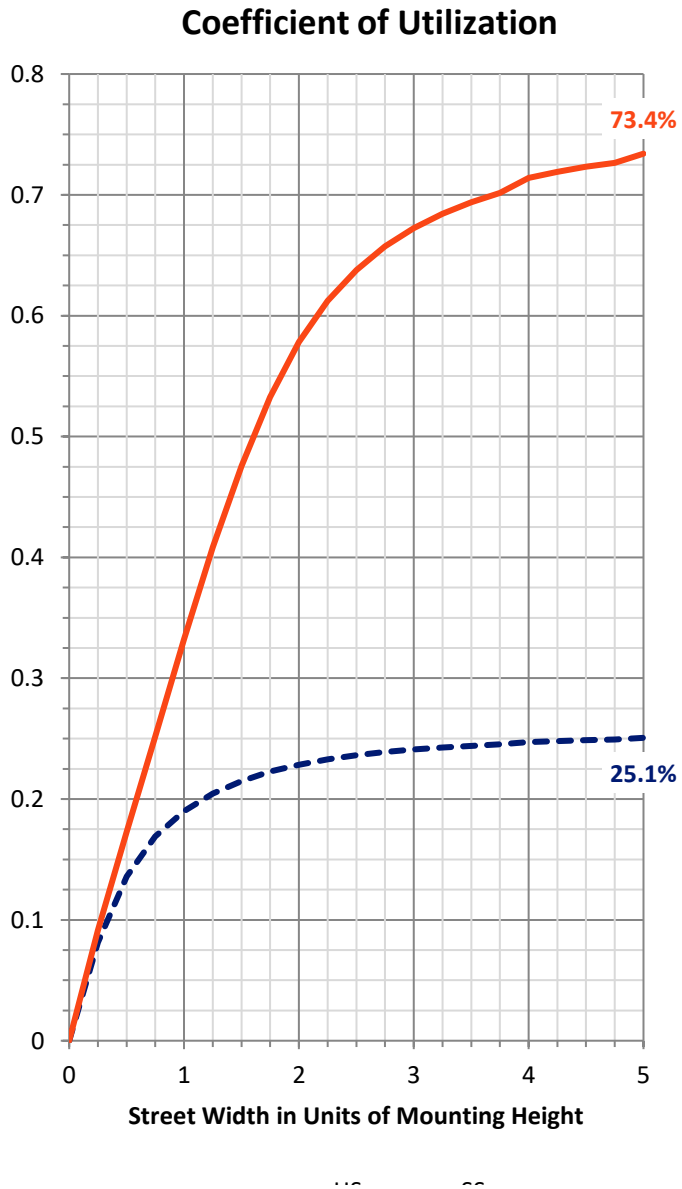
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1975.0	0.0	1975.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	5796.0	0.0	5796.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	7771.0	0.0	7771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.4
10°-20°	332.8	4.3
20°-30°	514.0	6.6
30°-40°	651.4	8.4
40°-50°	982.4	12.6
50°-60°	1587.3	20.4
60°-70°	1978.8	25.5
70°-80°	1297.6	16.7
80°-90°	320.8	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7771.0	100.0
0°-180°	7771.0	100.0



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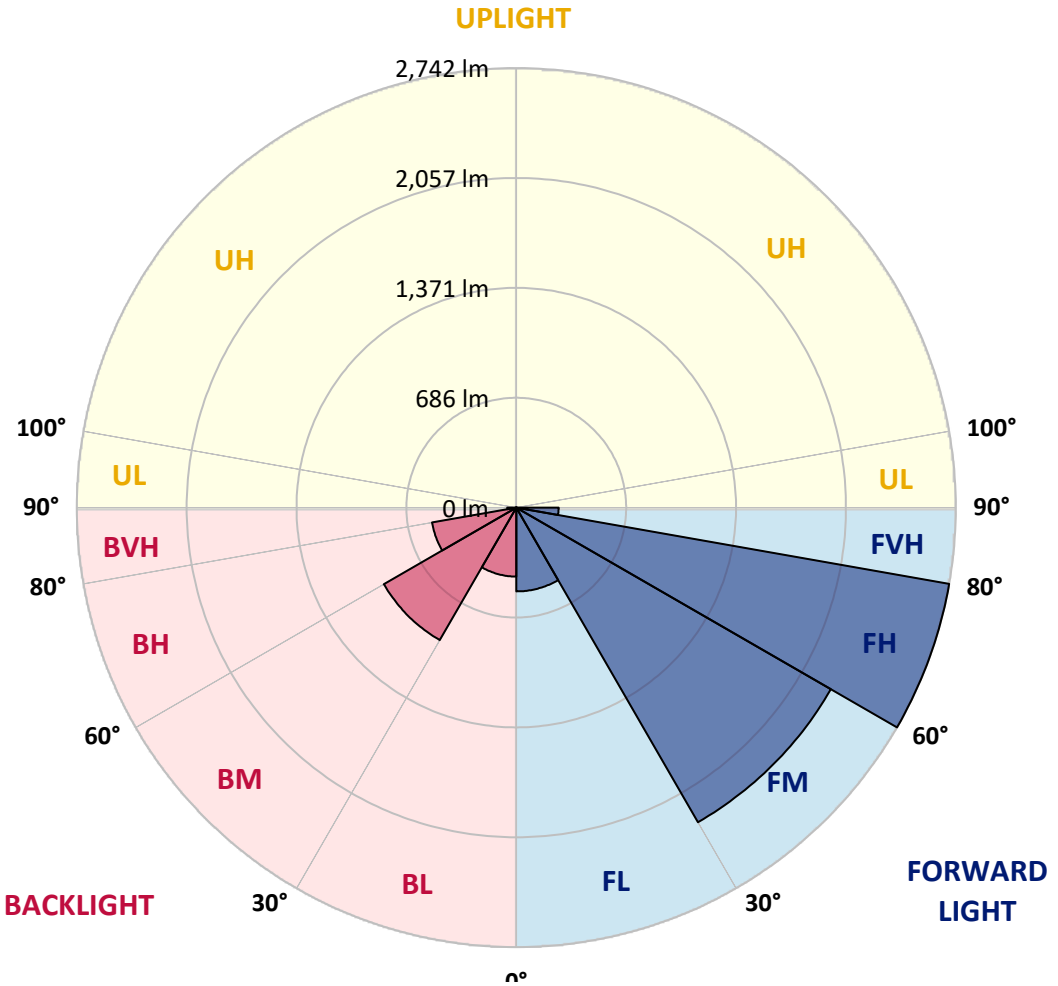
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	522.7	6.7			
FM	(30°-60°)	2266.6	29.2			
FH	(60°-80°)	2742.4	35.3			G2/5000
FVH	(80°-90°)	264.3	3.4			G3/500
BL	(0°-30°)	430.1	5.5	B1/500		
BM	(30°-60°)	954.4	12.3	B1/1000		
BH	(60°-80°)	533.9	6.9	B2/1000		G2/1000
BVH	(80°-90°)	56.5	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	*1068.6*	1068.6
2.5°	1149.2	1153.5	1157.9	1164.1	1170.3	1174.0	1177.7	1179.5	1181.3	*1180.5*	1181.3
5°	1235.7	1250.9	1266.1	1281.2	1296.4	1304.6	1312.8	1317.7	1322.7	*1326.5*	1322.7
7.5°	1322.6	1347.4	1372.1	1394.4	1416.6	1430.0	1443.4	1450.7	1457.9	*1461.4*	1457.9
10°	1389.2	1418.5	1447.8	1473.9	1500.0	1515.9	1531.6	1538.7	1545.7	*1548.3*	1545.7
12.5°	1430.0	1461.8	1493.5	1517.1	1540.6	1552.1	1563.6	1567.4	1571.3	*1571.7*	1571.3
15°	1454.8	1482.2	1509.6	1524.4	1539.2	1539.6	1540.1	1535.9	1531.8	*1527.0*	1531.8
17.5°	1468.8	1487.3	1505.8	1506.1	1506.3	1489.7	1473.1	1457.9	1442.6	*1431.9*	1442.6
20°	1484.2	1490.6	1497.1	1477.6	1458.1	1421.5	1384.8	1358.1	1331.4	*1315.0*	1331.4
22.5°	1502.0	1493.6	1485.1	1444.8	1404.4	1350.5	1296.6	1263.2	1229.8	*1211.7*	1229.8
25°	1525.0	1498.3	1471.7	1410.4	1349.1	1283.6	1218.2	1183.1	1148.0	*1130.9*	1148.0
27.5°	1556.1	1508.5	1460.8	1379.6	1298.5	1226.0	1153.4	1118.9	1084.4	*1068.2*	1084.4
30°	1598.2	1527.1	1456.1	1356.2	1256.3	1180.7	1105.1	1073.0	1041.0	*1025.9*	1041.0
32.5°	1647.8	1550.5	1453.2	1340.2	1227.2	1156.1	1085.1	1059.9	1034.8	*1023.9*	1034.8
35°	1708.0	1589.0	1469.9	1352.2	1234.4	1185.1	1135.7	1129.9	1124.0	*1123.1*	1124.0
37.5°	1809.5	1669.5	1529.4	1422.4	1315.3	1312.1	1308.9	1335.8	1362.6	*1376.5*	1362.6
40°	1962.9	1810.6	1658.2	1578.6	1499.0	1555.2	1611.4	1676.6	1741.8	*1774.3*	1741.8
42.5°	2166.3	2015.1	1864.0	1818.1	1772.3	1894.8	2017.3	2135.9	2254.5	*2324.1*	2254.5
45°	2417.4	2281.7	2145.9	2125.6	2105.4	2301.7	2498.0	2692.9	2887.7	*3006.0*	2887.7
47.5°	2731.5	2599.4	2467.3	2463.2	2459.1	2742.3	3025.4	3310.7	3595.9	*3763.4*	3595.9
50°	3143.2	2980.0	2816.9	2817.6	2818.3	3183.3	3548.2	3924.8	4301.3	*4529.0*	4301.3
52.5°	3615.8	3418.2	3220.7	3200.7	3180.7	3616.6	4052.6	4518.5	4984.3	*5257.2*	4984.3
55°	4118.9	3923.7	3728.5	3650.7	3572.8	4058.0	4543.1	5098.5	5653.9	*5978.5*	5653.9
57.5°	4576.5	4470.2	4363.9	4207.7	4051.6	4541.5	5031.3	5660.4	6289.5	*6691.9*	6289.5
60°	4853.1	5018.2	5183.3	4989.4	4795.4	5259.0	5722.6	6396.1	7069.7	*7504.7*	7069.7
62.5°	4712.7	5163.7	5614.8	5593.0	5571.1	5995.8	6420.5	7061.3	7702.1	*8104.1*	7702.1
65°	*4431.6*	*4854.9*	*5278.3*	*5362.1*	*5445.8*	*5985.5*	*6525.3*	*7146.6*	*7768.0*	*8110.3*	*7768.0*
67.5°	4054.9	4457.6	4860.3	4899.6	4938.8	5501.1	6063.4	6687.5	7311.5	*7579.7*	7311.5
70°	3602.5	4040.4	4478.4	4496.0	4513.6	5016.5	5519.3	6056.3	6593.3	*6742.4*	6593.3
72.5°	3063.2	3565.8	4068.5	4081.1	4093.7	4487.1	4880.6	5282.8	5685.0	*5700.0*	5685.0
75°	2381.1	2901.3	3421.5	3468.2	3514.9	3821.0	4127.1	4410.2	4693.4	*4617.5*	4693.4
77.5°	1701.3	2186.9	2672.5	2739.3	2806.1	3038.8	3271.6	3472.4	3673.2	*3542.8*	3673.2
80°	1113.5	1522.0	1930.5	2013.6	2096.6	2272.4	2448.1	2553.5	2658.9	*2449.2*	2658.9
82.5°	647.3	926.5	1205.9	1298.7	1391.5	1512.5	1633.4	1677.4	1721.4	*1556.5*	1721.4
85°	284.8	433.0	581.2	660.2	739.1	838.5	937.9	962.8	987.8	*855.8*	987.8
87.5°	88.2	138.0	187.8	231.8	275.9	325.6	375.3	377.4	379.5	*318.6*	379.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1179.5	1177.7	1174.0	1170.3	1164.1	1157.9	1153.5	1149.2	1140.3	1131.5	1122.1
5°	1317.7	1312.8	1304.6	1296.4	1281.2	1266.1	1250.9	1235.7	1216.2	1196.7	1177.3
7.5°	1450.7	1443.4	1430.0	1416.6	1394.4	1372.1	1347.4	1322.6	1290.5	1258.3	1228.7
10°	1538.7	1531.6	1515.9	1500.0	1473.9	1447.8	1418.5	1389.2	1348.6	1308.0	1268.7
12.5°	1567.4	1563.6	1552.1	1540.6	1517.1	1493.5	1461.8	1430.0	1385.4	1340.8	1296.3
15°	1535.9	1540.1	1539.6	1539.2	1524.4	1509.6	1482.2	1454.8	1408.3	1361.8	1313.5
17.5°	1457.9	1473.1	1489.7	1506.3	1506.1	1505.8	1487.3	1468.8	1421.6	1374.4	1321.8
20°	1358.1	1384.8	1421.5	1458.1	1477.6	1497.1	1490.6	1484.2	1435.1	1386.0	1328.2
22.5°	1263.2	1296.6	1350.5	1404.4	1444.8	1485.1	1493.6	1502.0	1451.9	1401.7	1336.9
25°	1183.1	1218.2	1283.6	1349.1	1410.4	1471.7	1498.3	1525.0	1475.8	1426.8	1352.7
27.5°	1118.9	1153.4	1226.0	1298.5	1379.6	1460.8	1508.5	1556.1	1509.3	1462.4	1377.3
30°	1073.0	1105.1	1180.7	1256.3	1356.2	1456.1	1527.1	1598.2	1552.9	1507.7	1409.1
32.5°	1059.9	1085.1	1156.1	1227.2	1340.2	1453.2	1550.5	1647.8	1603.0	1558.2	1442.4
35°	1129.9	1135.7	1185.1	1234.4	1352.2	1469.9	1589.0	1708.0	1665.2	1622.2	1480.3
37.5°	1335.8	1308.9	1312.1	1315.3	1422.4	1529.4	1669.5	1809.5	1754.8	1700.1	1522.7
40°	1676.6	1611.4	1555.2	1499.0	1578.6	1658.2	1810.6	1962.9	1883.2	1803.5	1576.6
42.5°	2135.9	2017.3	1894.8	1772.3	1818.1	1864.0	2015.1	2166.3	2051.2	1936.2	1647.1
45°	2692.9	2498.0	2301.7	2105.4	2125.6	2145.9	2281.7	2417.4	2262.2	2107.0	1739.8
47.5°	3310.7	3025.4	2742.3	2459.1	2463.2	2467.3	2599.4	2731.5	2513.1	2294.6	1838.6
50°	3924.8	3548.2	3183.3	2818.3	2817.6	2816.9	2980.0	3143.2	2813.9	2484.5	1930.3
52.5°	4518.5	4052.6	3616.6	3180.7	3200.7	3220.7	3418.2	3615.8	3129.9	2644.0	1989.9
55°	5098.5	4543.1	4058.0	3572.8	3650.7	3728.5	3923.7	4118.9	3410.0	2701.2	1976.7
57.5°	5660.4	5031.3	4541.5	4051.6	4207.7	4363.9	4470.2	4576.5	3608.6	2640.6	1884.4
60°	6396.1	5722.6	5259.0	4795.4	4989.4	5183.3	5018.2	4853.1	3658.2	2463.2	1712.6
62.5°	7061.3	6420.5	5995.8	5571.1	5593.0	5614.8	5163.7	4712.7	3449.3	2185.9	1480.2
65°	*7146.6*	*6525.3*	*5985.5*	*5445.8*	*5362.1*	*5278.3*	*4854.9*	*4431.6*	*3153.7*	*1875.8*	*1243.1*
67.5°	6687.5	6063.4	5501.1	4938.8	4899.6	4860.3	4457.6	4054.9	2801.9	1548.8	1010.8
70°	6056.3	5519.3	5016.5	4513.6	4496.0	4478.4	4040.4	3602.5	2418.0	1233.6	795.9
72.5°	5282.8	4880.6	4487.1	4093.7	4081.1	4068.5	3565.8	3063.2	2001.9	940.6	608.5
75°	4410.2	4127.1	3821.0	3514.9	3468.2	3421.5	2901.3	2381.1	1524.9	668.7	441.6
77.5°	3472.4	3271.6	3038.8	2806.1	2739.3	2672.5	2186.9	1701.3	1067.3	433.3	299.3
80°	2553.5	2448.1	2272.4	2096.6	2013.6	1930.5	1522.0	1113.5	687.6	261.8	192.8
82.5°	1677.4	1633.4	1512.5	1391.5	1298.7	1205.9	926.5	647.3	398.0	148.8	118.6
85°	962.8	937.9	838.5	739.1	660.2	581.2	433.0	284.8	179.0	73.3	63.4
87.5°	377.4	375.3	325.6	275.9	231.8	187.8	138.0	88.2	58.6	29.1	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1112.8	1103.4	1093.9	1084.9	1075.9	1067.1	1057.4	1049.6	1041.7	1034.6	1027.6
5°	1157.9	1138.3	1118.8	1100.6	1082.3	1065.1	1048.1	1033.2	1018.3	1005.9	993.5
7.5°	1199.0	1170.1	1141.2	1115.7	1090.2	1066.7	1044.7	1025.0	1005.2	988.8	972.4
10°	1229.5	1194.4	1159.3	1129.2	1099.0	1070.0	1046.4	1025.5	1004.7	988.3	971.9
12.5°	1251.9	1210.5	1169.0	1135.0	1100.9	1070.4	1048.4	1031.3	1014.4	1003.5	992.6
15°	1265.3	1217.6	1169.9	1130.5	1091.0	1057.3	1039.7	1031.5	1023.4	1024.9	1026.3
17.5°	1269.2	1213.8	1158.5	1111.0	1063.6	1023.9	1013.0	1016.0	1019.0	1036.8	1054.7
20°	1270.4	1203.3	1136.2	1077.4	1018.6	972.4	969.6	983.5	997.4	1028.5	1059.6
22.5°	1272.0	1190.4	1108.8	1038.0	967.2	914.6	920.2	940.9	961.5	996.9	1032.4
25°	1278.5	1177.7	1077.0	994.0	911.1	857.2	872.4	896.2	919.9	951.8	983.7
27.5°	1292.1	1169.2	1046.4	953.8	861.2	812.1	830.5	853.5	876.5	902.7	928.8
30°	1310.6	1165.3	1019.9	920.2	820.5	779.3	793.8	812.0	830.3	852.0	873.7
32.5°	1326.6	1160.3	994.0	891.2	788.3	755.1	761.5	772.3	783.1	800.5	817.8
35°	1338.3	1151.1	963.9	862.7	761.5	733.8	731.1	734.1	737.1	750.3	763.5
37.5°	1345.3	1135.2	925.1	829.2	733.2	709.0	699.2	695.9	692.6	702.2	711.6
40°	1349.7	1113.4	877.1	789.1	701.2	679.2	664.3	656.9	649.4	656.3	663.1
42.5°	1358.0	1090.8	823.7	745.0	666.2	646.0	627.2	617.3	607.5	613.1	618.7
45°	1372.6	1069.9	767.1	698.1	629.0	608.5	590.3	580.7	571.1	575.8	580.5
47.5°	1382.7	1052.5	722.4	661.0	599.5	573.0	557.3	549.3	541.3	545.7	550.1
50°	1376.1	1033.7	691.3	636.3	581.4	546.6	528.3	521.2	514.1	521.0	527.9
52.5°	1335.7	1001.8	668.0	620.1	572.2	532.2	506.7	499.7	492.7	503.0	513.4
55°	1252.3	949.0	645.7	608.3	570.9	533.7	495.3	484.1	473.0	487.7	502.4
57.5°	1128.2	874.5	620.8	594.4	567.9	535.1	488.4	472.1	455.9	471.7	487.5
60°	961.9	777.9	593.8	573.0	552.2	530.6	481.9	460.9	439.8	453.7	467.5
62.5°	774.5	662.1	549.8	536.0	522.2	519.5	474.3	448.0	421.7	430.5	439.4
65°	*610.5*	*558.0*	*505.6*	*499.1*	*492.5*	*492.9*	*458.4*	*430.5*	*402.5*	*405.9*	*409.2*
67.5°	472.9	458.0	443.1	446.7	450.3	449.4	430.1	406.8	383.5	382.4	381.3
70°	358.2	362.4	366.7	383.6	400.4	400.4	394.1	377.5	360.9	357.2	353.5
72.5°	276.3	289.1	302.0	325.9	349.9	353.9	354.0	342.6	331.2	325.8	320.5
75°	214.5	226.2	237.8	264.6	291.5	310.0	308.4	299.7	290.9	285.8	280.6
77.5°	165.2	173.1	181.0	207.1	233.1	263.7	262.8	255.8	248.8	243.6	238.3
80°	123.8	127.1	130.4	152.5	174.5	211.0	210.8	205.0	199.1	194.7	190.3
82.5°	88.5	89.1	89.7	106.0	122.2	153.4	155.1	152.2	149.3	146.2	143.1
85°	53.5	53.2	52.9	64.8	76.7	99.8	102.1	99.0	96.0	92.5	89.0
87.5°	23.5	23.2	22.9	27.7	32.6	42.2	45.1	43.9	42.6	42.0	41.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202719
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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1021.4	1015.2	1009.0	1002.8	998.0	993.1	989.2	985.3	982.3	979.3	976.5
5°	982.5	971.5	961.5	951.5	943.8	936.1	930.8	925.4	921.6	917.8	914.9
7.5°	958.6	944.7	932.5	920.3	911.2	902.1	895.7	889.3	884.9	880.6	877.9
10°	957.0	942.1	928.3	914.6	903.7	892.8	885.6	878.4	874.3	870.1	867.9
12.5°	980.9	969.3	955.0	940.9	926.9	913.0	903.7	894.5	889.9	885.3	883.4
15°	1023.3	1020.3	1007.9	995.6	975.7	955.9	941.9	927.9	921.4	915.0	912.6
17.5°	1064.2	1073.7	1063.7	1053.8	1027.5	1001.2	980.6	959.9	950.4	940.9	937.7
20°	1079.4	1099.3	1094.7	1090.1	1060.1	1030.0	1004.7	979.4	967.2	955.0	951.1
22.5°	1058.3	1084.2	1086.9	1089.7	1061.0	1032.3	1006.2	980.1	967.3	954.4	950.1
25°	1009.2	1034.6	1044.1	1053.6	1030.1	1006.6	983.4	960.2	949.1	938.0	933.9
27.5°	949.3	969.7	980.3	990.9	974.1	957.4	939.4	921.4	913.9	906.4	904.6
30°	890.7	907.6	916.2	924.9	912.1	899.3	886.4	873.5	869.7	865.8	865.8
32.5°	834.1	850.4	859.9	869.5	857.8	846.0	835.7	825.4	822.9	820.4	820.7
35°	779.6	795.7	807.2	818.7	810.3	802.0	792.5	783.0	779.2	775.4	774.6
37.5°	727.7	743.7	757.9	772.1	768.3	764.4	755.7	746.9	740.0	733.1	729.4
40°	678.6	694.1	710.4	726.8	727.7	728.7	721.2	713.8	703.7	693.7	686.9
42.5°	633.4	648.1	665.7	683.3	688.1	692.8	686.5	680.3	667.8	655.3	645.4
45°	594.5	608.4	626.7	645.0	651.8	658.5	652.9	647.3	632.9	618.7	607.1
47.5°	563.7	577.3	595.4	613.4	621.2	629.0	625.1	621.1	608.4	595.7	585.0
50°	540.8	553.6	569.8	586.0	596.0	606.0	605.7	605.6	595.4	585.2	575.3
52.5°	525.2	537.0	552.0	567.1	578.9	590.8	592.9	595.1	586.8	578.5	569.6
55°	515.1	527.8	541.0	554.2	566.7	579.3	582.3	585.2	578.0	570.8	563.0
57.5°	502.5	517.4	530.4	543.5	556.2	568.8	571.8	574.8	567.5	560.2	552.5
60°	484.7	501.8	515.1	528.3	541.1	553.8	557.0	560.3	553.2	546.1	538.1
62.5°	459.3	479.3	493.5	507.6	519.3	530.9	534.1	537.2	530.8	524.4	516.0
65°	*430.6*	*452.1*	*465.6*	*479.1*	*489.4*	*499.6*	*502.9*	*506.1*	*499.9*	*493.7*	*485.6*
67.5°	401.1	420.9	433.7	446.5	455.4	464.3	467.4	470.5	464.8	459.2	451.6
70°	370.9	388.3	399.4	410.5	418.5	426.4	429.5	432.5	427.9	423.2	416.0
72.5°	334.1	347.8	357.8	367.8	375.6	383.5	387.1	390.7	386.8	383.0	376.1
75°	290.7	300.9	310.0	319.0	326.2	333.3	337.1	340.8	338.9	337.1	331.3
77.5°	246.6	254.8	262.6	270.4	277.9	285.4	288.9	292.4	289.8	287.1	281.3
80°	197.2	204.0	210.6	217.1	222.8	228.5	233.2	237.8	236.7	235.6	227.7
82.5°	142.5	142.0	139.7	137.4	149.5	161.6	169.6	177.5	177.1	176.5	169.9
85°	86.0	83.0	76.7	70.3	81.7	93.1	102.9	112.8	111.9	111.1	106.0
87.5°	41.2	41.1	36.2	31.4	36.1	40.9	44.9	48.9	47.9	46.8	44.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

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REPORT NUMBER: P1202719
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	973.7	970.2	973.7	976.5	979.3	982.3	985.3	989.2	993.1	998.0	1002.8
5°	911.9	909.1	911.9	914.9	917.8	921.6	925.4	930.8	936.1	943.8	951.5
7.5°	875.4	873.4	875.4	877.9	880.6	884.9	889.3	895.7	902.1	911.2	920.3
10°	865.7	864.8	865.7	867.9	870.1	874.3	878.4	885.6	892.8	903.7	914.6
12.5°	881.5	881.2	881.5	883.4	885.3	889.9	894.5	903.7	913.0	926.9	940.9
15°	910.1	909.9	910.1	912.6	915.0	921.4	927.9	941.9	955.9	975.7	995.6
17.5°	934.6	934.1	934.6	937.7	940.9	950.4	959.9	980.6	1001.2	1027.5	1053.8
20°	947.2	946.0	947.2	951.1	955.0	967.2	979.4	1004.7	1030.0	1060.1	1090.1
22.5°	945.8	943.9	945.8	950.1	954.4	967.3	980.1	1006.2	1032.3	1061.0	1089.7
25°	929.9	927.5	929.9	933.9	938.0	949.1	960.2	983.4	1006.6	1030.1	1053.6
27.5°	902.7	902.1	902.7	904.6	906.4	913.9	921.4	939.4	957.4	974.1	990.9
30°	865.8	866.4	865.8	865.8	865.8	869.7	873.5	886.4	899.3	912.1	924.9
32.5°	821.1	821.7	821.1	820.7	820.4	822.9	825.4	835.7	846.0	857.8	869.5
35°	773.8	773.3	773.8	774.6	775.4	779.2	783.0	792.5	802.0	810.3	818.7
37.5°	725.8	723.7	725.8	729.4	733.1	740.0	746.9	755.7	764.4	768.3	772.1
40°	680.2	676.2	680.2	686.9	693.7	703.7	713.8	721.2	728.7	727.7	726.8
42.5°	635.5	629.0	635.5	645.4	655.3	667.8	680.3	686.5	692.8	688.1	683.3
45°	595.5	588.0	595.5	607.1	618.7	632.9	647.3	652.9	658.5	651.8	645.0
47.5°	574.3	567.1	574.3	585.0	595.7	608.4	621.1	625.1	629.0	621.2	613.4
50°	565.4	558.5	565.4	575.3	585.2	595.4	605.6	605.7	606.0	596.0	586.0
52.5°	560.7	554.4	560.7	569.6	578.5	586.8	595.1	592.9	590.8	578.9	567.1
55°	555.2	549.5	555.2	563.0	570.8	578.0	585.2	582.3	579.3	566.7	554.2
57.5°	544.7	538.8	544.7	552.5	560.2	567.5	574.8	571.8	568.8	556.2	543.5
60°	530.2	524.0	530.2	538.1	546.1	553.2	560.3	557.0	553.8	541.1	528.3
62.5°	507.6	500.3	507.6	516.0	524.4	530.8	537.2	534.1	530.9	519.3	507.6
65°	*477.5*	*471.1*	*477.5*	*485.6*	*493.7*	*499.9*	*506.1*	*502.9*	*499.6*	*489.4*	*479.1*
67.5°	444.1	438.3	444.1	451.6	459.2	464.8	470.5	467.4	464.3	455.4	446.5
70°	408.8	402.3	408.8	416.0	423.2	427.9	432.5	429.5	426.4	418.5	410.5
72.5°	369.2	362.9	369.2	376.1	383.0	386.8	390.7	387.1	383.5	375.6	367.8
75°	325.5	319.4	325.5	331.3	337.1	338.9	340.8	337.1	333.3	326.2	319.0
77.5°	275.5	270.6	275.5	281.3	287.1	289.8	292.4	288.9	285.4	277.9	270.4
80°	219.9	210.8	219.9	227.7	235.6	236.7	237.8	233.2	228.5	222.8	217.1
82.5°	163.3	157.5	163.3	169.9	176.5	177.1	177.5	169.6	161.6	149.5	137.4
85°	100.8	95.5	100.8	106.0	111.1	111.9	112.8	102.9	93.1	81.7	70.3
87.5°	41.5	39.0	41.5	44.2	46.8	47.9	48.9	44.9	40.9	36.1	31.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1009.0	1015.2	1021.4	1027.6	1034.6	1041.7	1049.6	1057.4	1067.1	1075.9	1084.9
5°	961.5	971.5	982.5	993.5	1005.9	1018.3	1033.2	1048.1	1065.1	1082.3	1100.6
7.5°	932.5	944.7	958.6	972.4	988.8	1005.2	1025.0	1044.7	1066.7	1090.2	1115.7
10°	928.3	942.1	957.0	971.9	988.3	1004.7	1025.5	1046.4	1070.0	1099.0	1129.2
12.5°	955.0	969.3	980.9	992.6	1003.5	1014.4	1031.3	1048.4	1070.4	1100.9	1135.0
15°	1007.9	1020.3	1023.3	1026.3	1024.9	1023.4	1031.5	1039.7	1057.3	1091.0	1130.5
17.5°	1063.7	1073.7	1064.2	1054.7	1036.8	1019.0	1016.0	1013.0	1023.9	1063.6	1111.0
20°	1094.7	1099.3	1079.4	1059.6	1028.5	997.4	983.5	969.6	972.4	1018.6	1077.4
22.5°	1086.9	1084.2	1058.3	1032.4	996.9	961.5	940.9	920.2	914.6	967.2	1038.0
25°	1044.1	1034.6	1009.2	983.7	951.8	919.9	896.2	872.4	857.2	911.1	994.0
27.5°	980.3	969.7	949.3	928.8	902.7	876.5	853.5	830.5	812.1	861.2	953.8
30°	916.2	907.6	890.7	873.7	852.0	830.3	812.0	793.8	779.3	820.5	920.2
32.5°	859.9	850.4	834.1	817.8	800.5	783.1	772.3	761.5	755.1	788.3	891.2
35°	807.2	795.7	779.6	763.5	750.3	737.1	734.1	731.1	733.8	761.5	862.7
37.5°	757.9	743.7	727.7	711.6	702.2	692.6	695.9	699.2	709.0	733.2	829.2
40°	710.4	694.1	678.6	663.1	656.3	649.4	656.9	664.3	679.2	701.2	789.1
42.5°	665.7	648.1	633.4	618.7	613.1	607.5	617.3	627.2	646.0	666.2	745.0
45°	626.7	608.4	594.5	580.5	575.8	571.1	580.7	590.3	608.5	629.0	698.1
47.5°	595.4	577.3	563.7	550.1	545.7	541.3	549.3	557.3	573.0	599.5	661.0
50°	569.8	553.6	540.8	527.9	521.0	514.1	521.2	528.3	546.6	581.4	636.3
52.5°	552.0	537.0	525.2	513.4	503.0	492.7	499.7	506.7	532.2	572.2	620.1
55°	541.0	527.8	515.1	502.4	487.7	473.0	484.1	495.3	533.7	570.9	608.3
57.5°	530.4	517.4	502.5	487.5	471.7	455.9	472.1	488.4	535.1	567.9	594.4
60°	515.1	501.8	484.7	467.5	453.7	439.8	460.9	481.9	530.6	552.2	573.0
62.5°	493.5	479.3	459.3	439.4	430.5	421.7	448.0	474.3	519.5	522.2	536.0
65°	*465.6*	*452.1*	*430.6*	*409.2*	*405.9*	*402.5*	*430.5*	*458.4*	*492.9*	*492.5*	*499.1*
67.5°	433.7	420.9	401.1	381.3	382.4	383.5	406.8	430.1	449.4	450.3	446.7
70°	399.4	388.3	370.9	353.5	357.2	360.9	377.5	394.1	400.4	400.4	383.6
72.5°	357.8	347.8	334.1	320.5	325.8	331.2	342.6	354.0	353.9	349.9	325.9
75°	310.0	300.9	290.7	280.6	285.8	290.9	299.7	308.4	310.0	291.5	264.6
77.5°	262.6	254.8	246.6	238.3	243.6	248.8	255.8	262.8	263.7	233.1	207.1
80°	210.6	204.0	197.2	190.3	194.7	199.1	205.0	210.8	211.0	174.5	152.5
82.5°	139.7	142.0	142.5	143.1	146.2	149.3	152.2	155.1	153.4	122.2	106.0
85°	76.7	83.0	86.0	89.0	92.5	96.0	99.0	102.1	99.8	76.7	64.8
87.5°	36.2	41.1	41.2	41.3	42.0	42.6	43.9	45.1	42.2	32.6	27.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6	1068.6
2.5°	1093.9	1103.4	1112.8	1122.1	1131.5	1140.3	1149.2
5°	1118.8	1138.3	1157.9	1177.3	1196.7	1216.2	1235.7
7.5°	1141.2	1170.1	1199.0	1228.7	1258.3	1290.5	1322.6
10°	1159.3	1194.4	1229.5	1268.7	1308.0	1348.6	1389.2
12.5°	1169.0	1210.5	1251.9	1296.3	1340.8	1385.4	1430.0
15°	1169.9	1217.6	1265.3	1313.5	1361.8	1408.3	1454.8
17.5°	1158.5	1213.8	1269.2	1321.8	1374.4	1421.6	1468.8
20°	1136.2	1203.3	1270.4	1328.2	1386.0	1435.1	1484.2
22.5°	1108.8	1190.4	1272.0	1336.9	1401.7	1451.9	1502.0
25°	1077.0	1177.7	1278.5	1352.7	1426.8	1475.8	1525.0
27.5°	1046.4	1169.2	1292.1	1377.3	1462.4	1509.3	1556.1
30°	1019.9	1165.3	1310.6	1409.1	1507.7	1552.9	1598.2
32.5°	994.0	1160.3	1326.6	1442.4	1558.2	1603.0	1647.8
35°	963.9	1151.1	1338.3	1480.3	1622.2	1665.2	1708.0
37.5°	925.1	1135.2	1345.3	1522.7	1700.1	1754.8	1809.5
40°	877.1	1113.4	1349.7	1576.6	1803.5	1883.2	1962.9
42.5°	823.7	1090.8	1358.0	1647.1	1936.2	2051.2	2166.3
45°	767.1	1069.9	1372.6	1739.8	2107.0	2262.2	2417.4
47.5°	722.4	1052.5	1382.7	1838.6	2294.6	2513.1	2731.5
50°	691.3	1033.7	1376.1	1930.3	2484.5	2813.9	3143.2
52.5°	668.0	1001.8	1335.7	1989.9	2644.0	3129.9	3615.8
55°	645.7	949.0	1252.3	1976.7	2701.2	3410.0	4118.9
57.5°	620.8	874.5	1128.2	1884.4	2640.6	3608.6	4576.5
60°	593.8	777.9	961.9	1712.6	2463.2	3658.2	4853.1
62.5°	549.8	662.1	774.5	1480.2	2185.9	3449.3	4712.7
65°	*505.6*	*558.0*	*610.5*	*1243.1*	*1875.8*	*3153.7*	*4431.6*
67.5°	443.1	458.0	472.9	1010.8	1548.8	2801.9	4054.9
70°	366.7	362.4	358.2	795.9	1233.6	2418.0	3602.5
72.5°	302.0	289.1	276.3	608.5	940.6	2001.9	3063.2
75°	237.8	226.2	214.5	441.6	668.7	1524.9	2381.1
77.5°	181.0	173.1	165.2	299.3	433.3	1067.3	1701.3
80°	130.4	127.1	123.8	192.8	261.8	687.6	1113.5
82.5°	89.7	89.1	88.5	118.6	148.8	398.0	647.3
85°	52.9	53.2	53.5	63.4	73.3	179.0	284.8
87.5°	22.9	23.2	23.5	26.3	29.1	58.6	88.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0


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